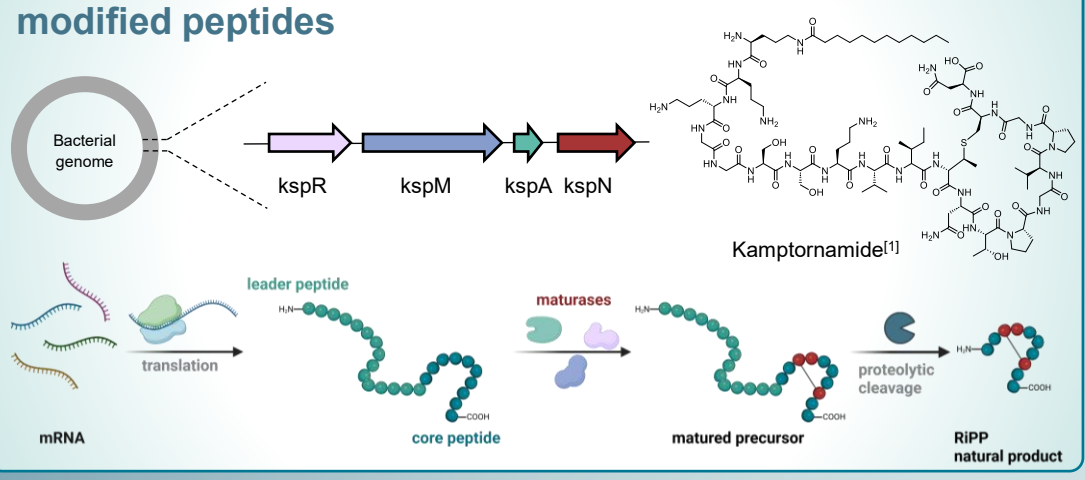
Structural characterization of fatty acid modifications in ribosomally encoded *N*-acylated lipopeptides

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RiPPs: ribosomally synthesized and posttranslationally modified peptides

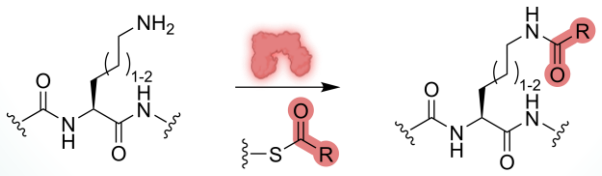


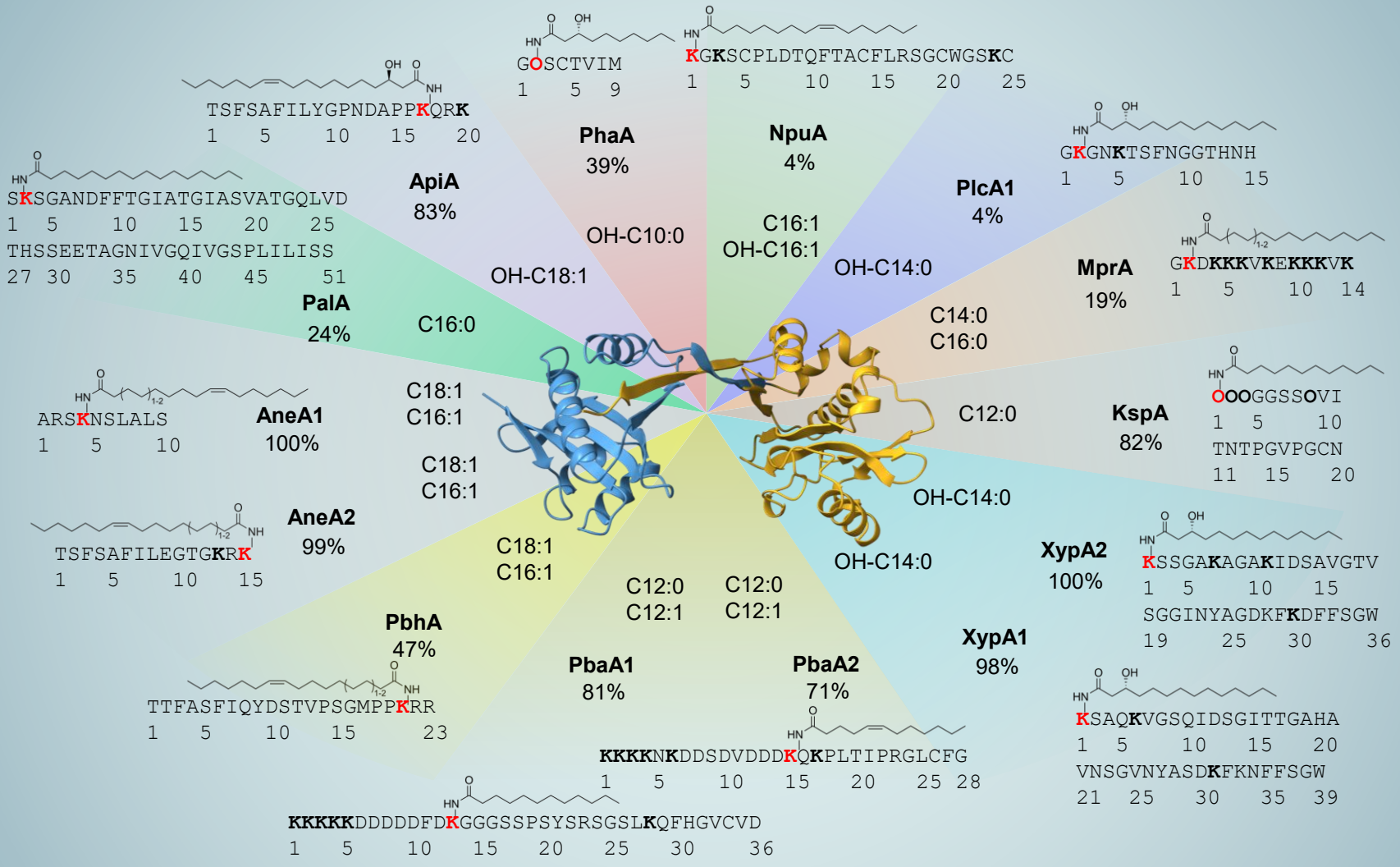
Lipopeptides

- Antimicrobial, antitumor, immunosuppressant and biosurfactant activities, as well as drug-delivery and vaccine agent applications.

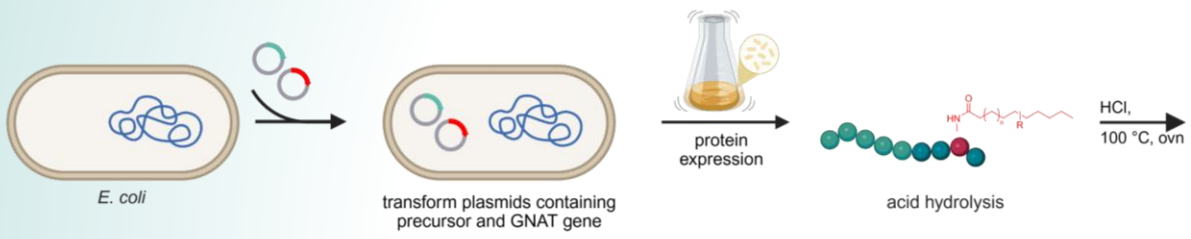
GNATs

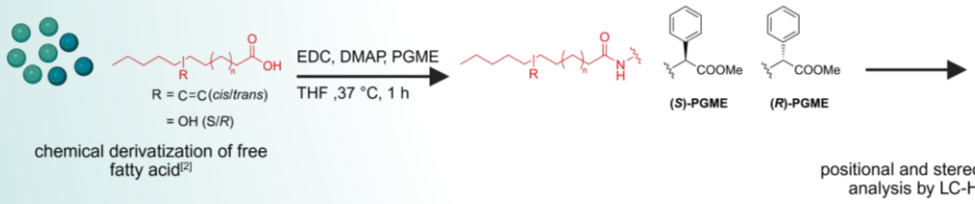
- GCN5-related *N*-acetyltransferases (GNATs) in RiPP biosynthetic pathways install defined fatty acid moieties regiospecifically onto the side chains of (hydroxy)ornithines and lysines.

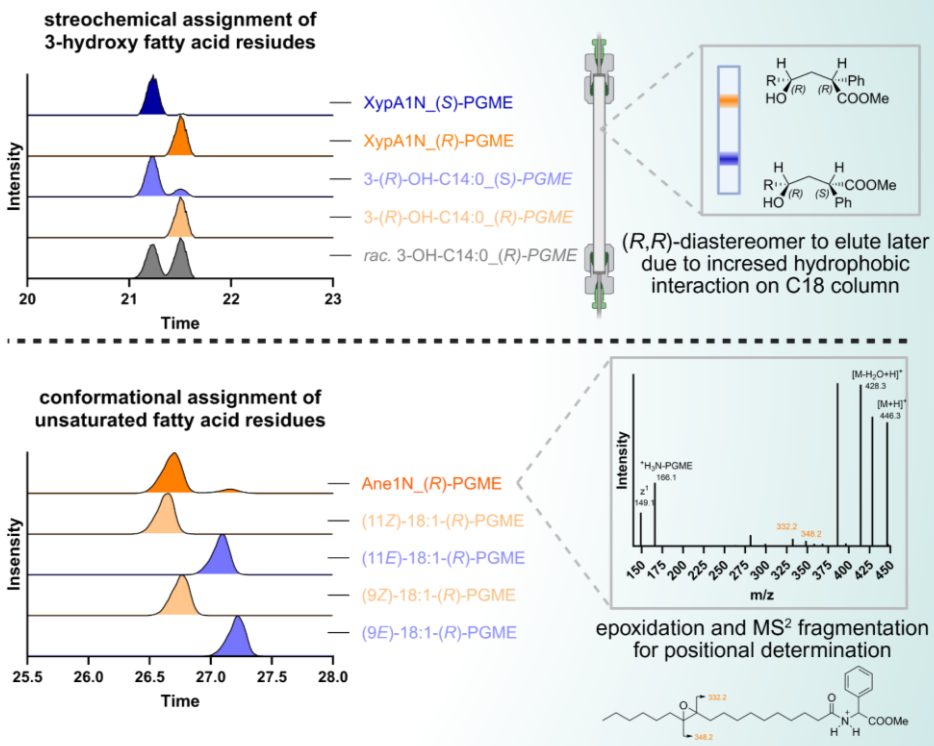




Workflow







References [1] F. Hubrich, N. M. Bösch *et al. Proc. Natl. Acad. Sci.* **2022**, *119*, e2113120119. [2] S. Um *et al. Anal. Chem.* **2025**, *97*, 12947–12952.

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